

Title (en)  
ELECTROTHERAPY DEVICE.

Title (de)  
GERÄT FÜR ELEKTROTHERAPIE.

Title (fr)  
APPAREIL D'ELECTROTHERAPIE.

Publication  
**EP 0642367 A4 19970604 (EN)**

Application  
**EP 94913277 A 19940309**

Priority  

- US 9402480 W 19940309
- US 3817993 A 19930329
- US 17565093 A 19931230

Abstract (en)  
[origin: WO9422529A1] An electrotherapy device (10) for delivering electrical energy to subcutaneous, excitable tissues in an around the joints of a human body for the purposes of pain control and the promotion of tissue healing post injury. The device includes a housing (12) containing at least one pair of electrodes (14) connected to an electronics unit (16). The electronics unit (16) consists of a housing unit that contains batteries, a micro-controller integrated circuit coupled to a transistor based output stage coupled to subminiature jacks used to connect the electronics unit to the electrodes. Control software monitors user-controlled mechanical switches (26, 28) for the selection of one of six operational modes (TENS, MENS, or iontophoresis) and one of six discrete intensity levels within each operational mode. The housing (12) is a flexible, elastic sleeve that conforms to joint anatomy and has the electrodes (14) sewn into specific positions such that when the user puts on the sleeve, the electrodes are placed at the correct anatomic over the affected joint.

IPC 1-7  
**A61N 1/34**

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  

- No further relevant documents disclosed
- See references of WO 9422529A1

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